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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/735,488	12/12/2003	Johan Runc	53807-00068USPT	1861

27045 7590 08/22/2007	EXAMINER
ERICSSON INC. 6300 LEGACY DRIVE M/S EVR 1-C-11 PLANO, TX 75024	LI, GUANG W

ART UNIT	PAPER NUMBER
2146	

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08/22/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
Office Action Summary	10/735,488	RUNE ET AL.
	Examiner	Art Unit	
	Guang Li	2109	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE ____ MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☐ Responsive to communication(s) filed on _____.

2a)☐ This action is **FINAL.** 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-18* is/are pending in the application.

    4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1-18* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

    Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

    Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

    a)☒ All b)☐ Some * c)☐ None of:

      1.☒ Certified copies of the priority documents have been received.

      2.☐ Certified copies of the priority documents have been received in Application No. _____.

      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

    * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1)☒ Notice of References Cited (PTO-892)

2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)

3)☒ Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date *05/03/2004; 10/18/2004*.

4)☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.

5)☐ Notice of Informal Patent Application

6)☐ Other: _____.

DETAILED ACTION

1.   The instant application having Application No. 10/735488 has a total of 18 claims

pending in the application; there are 2 independent claims and 16 dependent claims, all

of which are ready for examination by the examiner.

Oath/Declaration

2.   The applicant's oath/declaration has been reviewed by the examiner and is found

to conform to the requirements prescribed in **37 C.F.R. 1.63.**

Priority

3.   As required by **M.P.E.P. 201.14(c)**, acknowledgement is made of applicant's

claim for priority based on applications filed on 12/23/2002 (Provisional application:

60/421,131).

Drawings

4.   The applicant's drawings submitted are acceptable for examination purposes.

Information Disclosure Statement

5.   As required by **M.P.E.P. 609(C)**, the applicant's submissions of the Information

Disclosure Statements dated 05/03/2004 and 10/18/2004 are acknowledged by the

examiner and the cited references have been considered in the examination of the

claims now pending. As required by **M.P.E.P 609 C(2)**, a copy of the PTOL-1449

initialed.

Abstract

6.   Applicant is reminded of the proper language and format for an abstract of the
disclosure.

The language should be clear and concise and should not repeat information given in the title. It should avoid using phrases which can be implied, such as, "The disclosure concerns," "The disclosure defined by this invention," "The disclosure describes," etc.

Claim Rejections - 35 USC § 102

7.   The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

8.   Claims 1-18 are rejected under 35 U.S.C. 102(a) as being anticipated by IEEE (IEEE std.802.11f/D3 January 2002).

Regarding claim 1, IEEE teaches a method sending message between two or more network access points via a shared medium network **(transfer of station context information between APs see Page 3 lines 14),** said network access points connecting a point-to-point network to said shared medium network **(The IAPP is a communication protocol, used by the management entity of an AP to communicate with other APs, when various local events occur in the AP see Page 16 lines 7-8),** comprising:

receiving data packets from said point-to-point network at said network access points **(AP receives an associate request it should send an IAPP-ADD packet and a Level 2 Update Frame see Page 16 lines 20);**

formatting said data packets **(Packet Format see Page 22 lines 10-15)** in said network access points as a shared medium network data packet format **(shared access and security block along each other see Page 17 Fig.3)** and

sending said data packets to said shared medium network from said network

access points **(AP receives an associated request it should send an Move-Notify to**

the old-AP and get back a Move-Response from the old-AP see page 16 lines 28-

29) using an inter-network access point protocol (INAPP) **(practices for**

implementation of an Inter-AP protocol on a Distribution System see Page 1 lines

8-9).

9.   Regarding claim 2, IEEE teaches the method according to claim 1, wherein said

shared medium network format includes a data field that contains an INAPP message

(Data Filed see Page 23 lines 10-12).

10.   Regarding claim 3, IEEE teaches the method according to claim 2, wherein only

network access points can send and receive data packets containing said INAPP

message **(IAPP supports two protocol sequences: one is initiated by an associate**

request to an Access point and other is initiated by a reassociate request see

page 16 lines 17-18).

11.   Regarding claim 4, IEEE teaches the method according to claim 3, wherein said

INAPP message includes an INAPP information message for informing said network

access points of a new node connected to a service area of any said network access

point **(Station Add Process when the interaction between APs in an ESS when a**

STA is added to STAs associated with an AP see Page 21 lines 19-25), and an

INAPP encapsulation message for sending encapsulated point-to-point network data

packets to said network access points **(The data field of new AP security block**

carries the security information need by the new AP to decrypt and encrypt ESP

packets see page 19 line 12-13).

12.   Regarding claim 5, IEEE teaches the method according to claim 4, further

comprising receiving from said point-to-point network a registration message **(support**

for 802.11 authentication see page 20 lines 10-17) containing a MAC address of said

new node at one of said network access points and sending an INAPP information

message from said network access point receiving said registration message to said

shared medium network, said INAPP information message containing information about

said new node including said MAC address of said new node **(Semantic of service**

primitive message contain MAC address, sequence number, old AP and context

block that associated with node see page 12 lines 21-31; page 13 lines 21-29).

13.   Regarding claim 6, IEEE teaches the method according to claim 5, further

comprising receiving said INAPP information message from said shared medium

network at another one of said network access points, storing said information about

said new node in said other network access point **(Once AP received the IAPP ADD-**

notify packet, to updated any forwarding information they may hold regarding the

STA identified by the MAC address in the SA field of the frame see Page 21 lines

19-35), and using said stored information to prevent data packets addressed to said

new node from being forwarded into a service area of said other network access point

(upon receiving the service primitive message, the AP should forward any

relevant context related to the reassociated station to the AP with which the

station is now associated see page 15 lines 4-11).

14.   Regarding claim 7, IEEE teaches the method according to claim 6, further

comprising preventing data packets that originate in said other network access point's

own service area that are addressed to said new node from being blocked by said other

network access point **(security block packet will block other network access point**

from accessing see page 21 lines 3-11).

15.   Regarding claim 8, IEEE teaches the method according to claim 4, wherein said

encapsulated point-to-point network data packets include route requests route replies

and route failure messages to be forwarded to said point-to-point network **(IAPP initiate**

request, confirm and failure and see page 8 lines 10-13; line 27-31).

16.   Regarding claim 9, IEEE teaches the method according to claim 8, wherein said

route requests include ARP route requests and non-ARP route requests **(Address**

mapping of wireless medium addresses of APs (their BSSID) to DS network layer

address (IP addresses) see page 3 lines 7-8; page 16 lines 9-15), and said route

replies include ARP route replies and non-ARP route replies **(request and response**

from the old-AP and Move-Notify and Move Response packet, then the RADIUS

reply to the new AP will include, in addition to the IP address of the Old AP, Reply

item with Security Block for both the new and old AP see page 16 lines 28-33).

17.   **Regarding claims 10-18,** they are rejected for the same reasons as set forth

hereinabove. **Regarding claims 10-18,** IEEE taught the claimed method, therefore

together, IEEE teaches the claimed system.

Conclusion

The following prior art made of record and not relied upon is cited to establish the

level of skill in the applicant's art and those arts considered reasonably pertinent to

applicant's disclosure. See **MPEP 707.05(c).**

The following reference teaches execution of trial data.

- US 6,452,910 (Vij et al.)

- US 6,834,192 (Watanabe et al.)

- US 2002/0061009 A1 (Sorensen)

- US 2003/0003912 A1 (Melpignano et al.)

The examiner requests, in response to this Office action, support be shown for

language added to any original claims on amendment and any new claims. That is,

indicate support for newly added claim language by specifically pointing to page(s) and

line no(s) in the specification and/or drawing figure(s). This will assist the examiner in

prosecuting the application.

When responding to this office action, Applicant is advised to clearly point out the

patentable novelty which he or she thinks the claims present, in view of the state of the

art disclosed by the references cited or the objections made. He or she must also show

how the amendments avoid such references or objections See 37 CFR 1.111(c).

Any inquiry concerning this communication or earlier communications from the

examiner should be directed to Guang Li whose telephone number is (571) 270-1897.

The examiner can normally be reached on Monday-Friday 8:30AM-5:00PM(EST).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Jeff Pwu can be reached on (571) 272-6798. The fax phone number for the

organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

August 17, 2007
Guang Li
Patent Examiner

JEFFREY PWU
SUPERVISORY PATENT EXAMINER